

1 **WHAT IS CLAIMED IS:**

2 1. A transmission device for a two dimensional (2D) image display module
3 having a box with a top opening, a lens received in the box and a backboard sandwiched
4 between a bottom face defining the top opening of the box and the lens, the transmission
5 device comprising:

6 a securing member adapted to be formed on a bottom face defining the top
7 opening of the box for securing the backboard and the lens;

8 a programmable motor adapted to be mounted on the bottom face of the box for
9 driving the backboard to move relative to the lens;

10 whereby the backboard is able to be moved in a pre-programmed manner such
11 that images in the 2D image display module are able to be presented in a desired manner.

12 2. The transmission device as claimed in claim 1, wherein first elongated holes
13 are defined in opposite sides of the backboard and second elongated holes are defined in
14 opposite sides of the lens to correspond to the first elongated holes.

15 3. The transmission device as claimed in claim 1, wherein the securing member
16 has securing rods adapted to extend from the bottom face of the box, the securing rods
17 extend through the first elongated holes and the second elongated holes such that the
18 backboard and the lens are secured relative to the box.

19 4. The transmission device as claimed in claim 2, wherein the securing member
20 has securing rods adapted to extend from the bottom face of the box, the securing rods
21 extend through the first elongated holes and the second elongated holes such that the
22 backboard and the lens are secured relative to the box.

23 5. The transmission device as claimed in claim 1, wherein the programmable
24 step motor has a disk securely connected to a motor shaft extending out of the
25 programmable step motor, an eccentrically formed driving rod on the disk extendable

1 through the backboard and the lens such that the programmable step motor is able to
2 drive the backboard to move relative to the lens.

3 6. The transmission device as claimed in claim 4, wherein the programmable
4 step motor has a disk securely connected to a motor shaft extending out of the
5 programmable step motor, an eccentrically formed driving rod on the disk extendable
6 through the backboard and the lens such that the programmable step motor is able to
7 drive the backboard to move relative to the lens.

8 7. The transmission device as claimed in claim 6, wherein a long hole is
9 adapted to be defined in the backboard to correspond to the driving rod and a hole is
10 adapted to be defined in the lens to correspond to the driving rod, thereby the
11 eccentrically formed driving rod is able to drive the backboard to move linearly relative
12 to the lens.

13 8. The transmission device as claimed in claim 7, wherein each of the first
14 elongated holes of the backboard has a dimension smaller than that of each of the second
15 elongated holes of the lens such that after the driving rods extend through the first and
16 second elongated holes, movement of the backboard relative to the lens is linear.

17 9. A transmission device for a two dimensional (2D) image display module
18 having a box with a top opening, a lens received in the box and a backboard sandwiched
19 between a bottom face defining the top opening of the box and the lens, the transmission
20 device comprising:

21 a securing member adapted to be formed on a bottom face defining the top
22 opening of the box for securing the backboard and the lens;

23 a programmable motor adapted to be mounted on the bottom face of the box for
24 driving the lens to move relative to the backboard;

25 whereby the backboard is able to be moved in a pre-programmed manner such

1 that images in the 2D image display module are able to be presented in a desired manner.

2 10. The transmission device as claimed in claim 9, wherein first elongated holes
3 are defined in opposite sides of the backboard and second elongated holes are defined in
4 opposite sides of the lens to correspond to the first elongated holes.

5 11. The transmission device as claimed in claim 9, wherein the securing
6 member has securing rods adapted to extend from the bottom face of the box, the
7 securing rods extend through the first elongated holes and the second elongated holes
8 such that the backboard and the lens are secured relative to the box.

9 12. The transmission device as claimed in claim 10, wherein the securing
10 member has securing rods adapted to extend from the bottom face of the box, the
11 securing rods extend through the first elongated holes and the second elongated holes
12 such that the backboard and the lens are secured relative to the box.

13 13. The transmission device as claimed in claim 9, wherein the programmable
14 step motor has a disk securely connected to a motor shaft extending out of the
15 programmable step motor, an eccentrically formed driving rod on the disk extendable
16 through the backboard and the lens such that the programmable step motor is able to
17 drive the backboard to move relative to the lens.

18 14. The transmission device as claimed in claim 12, wherein the programmable
19 step motor has a disk securely connected to a motor shaft extending out of the
20 programmable step motor, an eccentrically formed driving rod on the disk extendable
21 through the backboard and the lens such that the programmable step motor is able to
22 drive the backboard to move relative to the lens.

23 15. The transmission device as claimed in claim 14, wherein a long hole is
24 adapted to be defined in the backboard to correspond to the driving rod and a hole is
25 adapted to be defined in the lens to correspond to the driving rod, thereby the

1 eccentrically formed driving rod is able to drive the backboard to move linearly relative
2 to the lens.

3 16. The transmission device as claimed in claim 15, wherein each of the first
4 elongated holes of the backboard has a dimension smaller than that of each of the second
5 elongated holes of the lens such that after the driving rods extend through the first and
6 second elongated holes, movement of the backboard relative to the lens is linear.